

**From:** [Andrea Morrow](#)  
**To:** [Gray, David](#)  
**Cc:** [Ryan Vise](#); [Emily Lindley](#); [Lori Wilson](#); [Richard Chism](#); [Michael Honeycutt](#); [Susan Johnson](#); [Tracy Miller](#)  
**Subject:** Final draft response to AP?  
**Date:** Sunday, September 3, 2017 1:28:09 PM

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**Air Quality Monitoring:** Monitors are showing that air quality at this time is not concerning and local residents should not be concerned about air quality issues related to the effects of the storm. Due to quick action and proper preparation by state authorities, all the ambient air quality monitors in the network from south of Corpus Christi to Beaumont were protected before the storm. Since then, state authorities are working to get the systems up and running again. As of Saturday, September 2, over 88 percent of monitors are up and working again in Corpus Christi, 85 percent in Houston, and 36 percent in Beaumont. Of the available air monitoring data collected from August 24-September 2, 2017, all measured concentrations were well below levels of health concern. Monitors are showing that air quality at this time is not concerning, and local residents should not be concerned about air quality issues related to the effects of the storm.

EPA has its surveillance aircraft conducting air monitoring for the Arkema plant fire. Also, EPA's mobile air-monitoring unit will be in Houston to assist with air monitoring as well. Also, EPA's mobile air monitoring Trace Atmospheric Gas Analyzer bus is on the way to Houston to assist with air monitoring as well. The TAGA is a self-contained mobile laboratory capable of real-time sampling and of outdoor air or emissions. The instrumentation refers both to the analytical instrument and the mobile laboratory built around it.

Emergency response monitoring at the Arkema facility evacuation perimeter is being conducted. We will make those data available as we are able. So far, nothing of immediate health concern has been detected.

We have established a Unified Command with other state and federal partners, and are in the field conducting rapid needs assessments. The TCEQ will use the available technology that will best support the field activities being conducted, which may include the use of hand held air monitoring equipment.

Continue to monitor the TCEQ's Hurricane Response website for updates: <https://www.tceq.texas.gov/response/hurricanes>

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**From:** Gray, David [mailto:[gray.david@epa.gov](mailto:gray.david@epa.gov)]  
**Sent:** Sunday, September 03, 2017 1:24 PM  
**To:** Andrea Morrow <[Andrea.Morrow@tceq.texas.gov](mailto:Andrea.Morrow@tceq.texas.gov)>  
**Cc:** Ryan Vise <[Ryan.Vise@Tceq.Texas.Gov](mailto:Ryan.Vise@Tceq.Texas.Gov)>; Emily Lindley <[Emily.Lindley@tceq.texas.gov](mailto:Emily.Lindley@tceq.texas.gov)>; Lori Wilson <[Lori.Wilson@tceq.texas.gov](mailto:Lori.Wilson@tceq.texas.gov)>; Richard Chism <[Richard.Chism@tceq.texas.gov](mailto:Richard.Chism@tceq.texas.gov)>; Michael Honeycutt <[Michael.Honeycutt@tceq.texas.gov](mailto:Michael.Honeycutt@tceq.texas.gov)>; Susan Johnson <[susan.johnson@tceq.texas.gov](mailto:susan.johnson@tceq.texas.gov)>; Tracy Miller <[tracy.miller@tceq.texas.gov](mailto:tracy.miller@tceq.texas.gov)>  
**Subject:** Re: Do we have a winner on the AP response?

## TAGA will arrive in Houston Monday

- Personnel will arrive in Houston on Tuesday for TAGA start-up
- TAGA will be operational on Wednesday

Sent from my iPhone

On Sep 3, 2017, at 1:22 PM, Andrea Morrow <[Andrea.Morrow@tceq.texas.gov](mailto:Andrea.Morrow@tceq.texas.gov)> wrote:

Call me. I have a question on the bus. 512-239-5011.

---

**From:** Gray, David [mailto:[gray.david@epa.gov](mailto:gray.david@epa.gov)]  
**Sent:** Sunday, September 03, 2017 1:20 PM  
**To:** Ryan Vise <[Ryan.Vise@Tceq.Texas.Gov](mailto:Ryan.Vise@Tceq.Texas.Gov)>  
**Cc:** Emily Lindley <[Emily.Lindley@tceq.texas.gov](mailto:Emily.Lindley@tceq.texas.gov)>; Lori Wilson <[Lori.Wilson@tceq.texas.gov](mailto:Lori.Wilson@tceq.texas.gov)>; Richard Chism <[Richard.Chism@tceq.texas.gov](mailto:Richard.Chism@tceq.texas.gov)>; Andrea Morrow <[Andrea.Morrow@tceq.texas.gov](mailto:Andrea.Morrow@tceq.texas.gov)>; Michael Honeycutt <[Michael.Honeycutt@tceq.texas.gov](mailto:Michael.Honeycutt@tceq.texas.gov)>; Susan Johnson <[susan.johnson@tceq.texas.gov](mailto:susan.johnson@tceq.texas.gov)>; Tracy Miller <[tracy.miller@tceq.texas.gov](mailto:tracy.miller@tceq.texas.gov)>  
**Subject:** Re: Do we have a winner on the AP response?

Can someone send me the final

Sent from my iPhone

On Sep 3, 2017, at 12:37 PM, Ryan Vise <[Ryan.Vise@Tceq.Texas.Gov](mailto:Ryan.Vise@Tceq.Texas.Gov)> wrote:

Yes I will send to Arkema

Sent from my iPhone

On Sep 3, 2017, at 12:27 PM, Emily Lindley <[Emily.Lindley@tceq.texas.gov](mailto:Emily.Lindley@tceq.texas.gov)> wrote:

Ryan, we should send to Arkema as an FYI since they are mentioned. If you haven't already!

Sent from my iPhone

On Sep 3, 2017, at 12:26 PM, Gray, David <[gray.david@epa.gov](mailto:gray.david@epa.gov)> wrote:

Share final and we will broadcast also

Sent from my iPhone

On Sep 3, 2017, at 12:25 PM, Lori Wilson <[Lori.Wilson@tceq.texas.gov](mailto:Lori.Wilson@tceq.texas.gov)> wrote:

Good with Em's revision

Lori Wilson  
Executive Office  
TCEQ  
512-239-1635

<image001.png>

---

**From:** Richard Chism

**Sent:** Sunday, September 03, 2017 12:23 PM

**To:** Emily Lindley <[Emily.Lindley@tceq.texas.gov](mailto:Emily.Lindley@tceq.texas.gov)>

**Cc:** Andrea Morrow <[Andrea.Morrow@tceq.texas.gov](mailto:Andrea.Morrow@tceq.texas.gov)>; Michael Honeycutt <[Michael.Honeycutt@tceq.texas.gov](mailto:Michael.Honeycutt@tceq.texas.gov)>; Gray, David <[gray.david@epa.gov](mailto:gray.david@epa.gov)>; Ryan Vise <[Ryan.Vise@Tceq.Texas.Gov](mailto:Ryan.Vise@Tceq.Texas.Gov)>; Susan Johnson <[susan.johnson@tceq.texas.gov](mailto:susan.johnson@tceq.texas.gov)>; Tracy Miller <[tracy.miller@tceq.texas.gov](mailto:tracy.miller@tceq.texas.gov)>; Lori Wilson <[Lori.Wilson@tceq.texas.gov](mailto:Lori.Wilson@tceq.texas.gov)>

**Subject:** Re: Do we have a winner on the AP response?

Im good.

Sent from my iPhone

On Sep 3, 2017, at 12:22 PM, Emily Lindley <[Emily.Lindley@tceq.texas.gov](mailto:Emily.Lindley@tceq.texas.gov)> wrote:

My edits below.

Sent from my iPhone

On Sep 3, 2017, at 12:17 PM, Andrea Morrow <[Andrea.Morrow@tceq.texas.gov](mailto:Andrea.Morrow@tceq.texas.gov)> wrote:

Any additions, corrections?

**Air Quality Monitoring:** Monitors are showing that air quality at this time is not concerning and local residents should not be concerned about air quality issues related to the effects of the storm. Due to quick action and proper preparation by state authorities, all the ambient air quality monitors in the network from south of Corpus Christi to Beaumont were protected before the storm. Since then, state authorities are working to get the systems up and running again. As of Saturday, September 2, over 88 percent of monitors are up and working again in Corpus Christi, 85

percent in Houston, and 36 percent in Beaumont. Of the available air monitoring data collected from August 24-September 2, 2017, all measured concentrations were well below levels of health concern. Monitors are showing that air quality at this time is not concerning, and local residents should not be concerned about air quality issues related to the effects of the storm.

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<https://www.tceq.texas.gov/response/hurricanes>

[Hurricane Response - TCEQ -  
www.tceq.texas.gov](https://www.tceq.texas.gov)

[www.tceq.texas.gov](https://www.tceq.texas.gov)

Information you might need if you are affected by a tropical storm or hurricane.

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**From:** Michael Honeycutt  
**Sent:** Sunday, September 3, 2017 12:10 PM  
**To:** Andrea Morrow  
**Cc:** Emily Lindley; Gray, David; Ryan Vise; Richard Chism; Susan Johnson; Tracy Miller; Lori Wilson  
**Subject:** Re: Proposed response to AP questions with EPA additions- please review

Tuesday

On Sep 3, 2017, at 12:09 PM, Andrea Morrow  
<[Andrea.Morrow@tceq.texas.gov](mailto:Andrea.Morrow@tceq.texas.gov)> wrote:

Do we know when that will begin? That  
will make my life a lot easier! ; )

---

**From:** Michael Honeycutt  
**Sent:** Sunday, September 3, 2017 12:08 PM  
**To:** Emily Lindley  
**Cc:** Gray, David; Andrea Morrow; Ryan  
Vise; Richard Chism; Susan Johnson; Tracy  
Miller; Lori Wilson  
**Subject:** Re: Proposed response to AP  
questions with EPA additions- please  
review

Could also add TCEQ will soon begin  
daily updates on air quality that will be  
available on hurricane webpage.

On Sep 3, 2017, at 12:06 PM, Emily  
Lindley <[Emily.Lindley@tceq.texas.gov](mailto:Emily.Lindley@tceq.texas.gov)>  
wrote:

What about adding this  
info in? It's pretty good.  
As of Saturday, September  
2, over 88 percent of  
monitors are up and  
working again in Corpus  
Christi, 85 percent in  
Houston, and 36 percent in  
Beaumont; and authorities  
expect that the network  
will be fully operational  
again by next week. Of the  
available air monitoring  
data collected from August  
24-September 2, 2017, all  
measured concentrations  
were well below levels of  
health concern. Monitors  
are showing that air quality  
at this time is not  
concerning, and local  
residents should not be  
concerned about air quality  
issues related to the effects  
of the storm.

Anyone is welcome to  
disagree! Just my opinion.  
It's going in the other  
statement.

Sent from my iPhone

On Sep 3, 2017, at 11:57  
AM, Gray, David

<[gray.david@epa.gov](mailto:gray.david@epa.gov)>

wrote:

I should have  
the  
information  
about on the  
ground  
monitoring  
around cosby  
in a few  
minutes

Sent from my  
iPhone

On Sep 3,  
2017, at 11:51  
AM, Andrea  
Morrow  
<[Andrea.Morrow@tceq.texas.gov](mailto:Andrea.Morrow@tceq.texas.gov)>  
wrote:

David,  
can  
you  
give  
me  
a  
description  
of  
what  
the  
TAGA  
bus  
does?

This  
is  
a  
response  
to  
the  
Associated  
Press  
questions:

1)  
We  
have  
been  
told  
EPA  
is  
doing  
air  
monitoring  
at

the  
Arkema  
plant  
in  
Crosby.  
Can  
you  
tell  
me  
what  
your  
monitoring  
has  
found?  
What  
chemicals  
in  
what  
concentrations?  
Where  
are  
you  
doing  
the  
monitoring  
exactly,  
with  
what  
instruments?

2)  
Your  
data  
shows  
multiple  
ozone  
and  
PM  
monitoring  
stations  
in  
Houston  
were  
knocked  
out  
during  
the  
story.  
Was  
it  
indeed  
more  
than  
half  
of  
the  
ozone  
monitors?  
When  
do

you  
expect  
them  
to  
be  
fixed  
and  
back  
online?

3)  
Are  
EPA/TCEQ  
monitoring  
air  
quality  
around  
Houston  
petrochemical  
plants  
and  
refineries  
to  
look  
for  
potential  
health  
and  
safety  
problems?  
Have  
they  
deployed  
any  
mobile  
air  
monitors?  
(I  
gather  
these  
are  
EPA  
crews  
working  
in  
coordination  
with  
TCEQ?)  
If  
so,  
what  
have  
they  
found  
in  
the  
last  
few  
days  
near

the  
petrochemical  
plants  
around  
the  
ship  
channel?  
If  
they  
haven't  
been  
monitoring,  
why  
not?  
The  
startup  
and  
shutdown  
operations  
typically  
produce  
heavier  
emissions  
of  
airborne  
contaminants,  
as  
we  
know.

2)  
Other  
than  
ozone  
and  
PM10  
and  
PM2.5  
are  
you  
monitoring  
for  
any  
other  
specific  
compounds?

3)  
What  
are  
the  
state  
of  
Texas  
and  
the  
EPA  
doing  
to  
monitor  
public



health  
near  
the  
petrochemical  
plants  
and  
refineries  
given  
the  
extraordinary  
shutdown  
and  
startup  
pollution  
and  
the  
possibility  
of  
contaminants  
released  
into  
their  
neighborhoods?  
Will  
there  
be  
health  
monitoring?  
If  
so,  
by  
whom?  
If  
not,  
why  
not?

---

**From:**

Emily  
Lindley

**Sent:**

Sunday,  
September  
3,  
2017  
11:48  
AM

**To:**

Ryan  
Vise

**Cc:**

Andrea  
Morrow;  
Gray,  
David;  
Michael

Honeycutt;  
Richard  
Chism;  
Susan  
Johnson;  
Tracy  
Miller;  
Lori  
Wilson

**Subject:**

Re:  
Proposed  
response  
to  
AP  
questions  
with  
EPA  
additions-  
please  
review

I  
added  
the  
word  
Arkema  
at  
the  
end  
of  
the  
1st  
paragraph.

I  
think  
we  
need  
to  
say  
what  
the  
TAGA  
bus  
is  
and  
what  
it  
does.

I  
like  
that  
we  
got  
that  
in  
there.  
Just  
need  
to  
explain

to  
the  
public  
more.

Just  
so  
I'm  
straight  
is  
this  
part  
of  
the  
larger  
statement  
from  
this  
morning?  
Or  
something  
different?

Sent  
from  
my  
iPhone

On  
Sep  
3,  
2017,  
at  
11:44  
AM,  
Ryan  
Vise  
<[Ryan.Vise@Tceq.Texas.Gov](mailto:Ryan.Vise@Tceq.Texas.Gov)>  
wrote:

I'm  
good  
with  
the  
language

Sent  
from  
my  
iPhone

On  
Sep  
3,  
2017,  
at  
11:43  
AM,  
Andrea

Morrow

<[Andrea.Morrow@tceq.texas.gov](mailto:Andrea.Morrow@tceq.texas.gov)>

wrote:

I've  
heard  
from  
Cory,  
David,  
and  
Mike.  
OCE  
are  
you  
ok  
with  
the  
start-  
up/shut-  
down  
language?  
Lori,  
Emily,  
Ryan,  
any  
changes?

**Air  
Quality  
Monitoring:** Monitors

are  
showing  
that  
air  
quality  
at  
this  
time  
is  
not  
concerning  
and  
local  
residents  
should  
not  
be  
concerned  
about  
air  
quality  
issues  
related  
to  
the  
effects  
of  
the  
storm.

Due  
to  
quick  
action  
and  
proper  
preparation  
by state authorities,  
all  
the  
ambient  
air  
quality  
monitors  
in  
the  
network  
from  
south  
of  
Corpus  
Christi  
to  
Beaumont  
were  
protected  
before  
the  
storm.  
Since  
then, state authorities  
are  
working  
to  
get  
the  
systems  
up  
and  
running  
again.  
As  
of  
Saturday,  
September  
2,  
over  
70  
percent  
of  
the  
monitors  
are  
up  
and  
working  
again;  
and  
authorities  
expect

that  
the  
network  
will  
be  
fully  
operational  
again  
by  
next  
week.  
EPA  
has  
its  
surveillance  
aircraft  
conducting  
air  
monitoring  
for  
the  
Arkema  
plant  
fire.  
Also,  
EPA's  
mobile  
air  
monitoring  
TAGA  
bus  
will  
be  
in  
Houston  
to  
assist  
with  
air  
monitoring  
as  
well.

Emergency  
response  
monitoring  
at  
the  
Arkema  
facility  
evacuation  
perimeter  
is  
being  
conducted.  
We  
will  
make  
those  
data

available  
as  
we  
are  
able.  
So  
far,  
nothing  
of  
immediate  
health  
concern  
has  
been  
detected.

The  
same  
rules  
apply  
for  
start-  
up,  
shut-  
down  
activities  
however  
delays  
may  
occur  
based  
upon  
factors  
related  
to  
the  
emergency  
in  
some  
situations  
(i.e.  
power  
outages,  
computer  
system  
failure,  
etc.).

.

**From:**

Gray,  
David  
<[gray.david@epa.gov](mailto:gray.david@epa.gov)>

**Sent:**

Sunday,  
September  
3,

2017  
11:38  
AM

**To:**  
Michael  
Honeycutt

**Cc:**  
Andrea  
Morrow;  
Richard  
Chism;  
Ryan  
Vise;  
Susan  
Johnson;  
Tracy  
Miller;  
Lori  
Wilson;  
Emily  
Lindley

**Subject:**  
Re:  
Proposed  
response  
to  
AP  
questions  
-  
please  
review

Feel  
free  
to  
add  
that  
EPA  
has  
its  
surveillance  
aircraft  
conducting  
air  
monitoring  
for  
the  
plant  
fire.  
Also,  
our  
mobile  
air  
monitoring  
TAGA  
bus  
will  
be  
in  
Houston



to  
assist  
with  
air  
monitoring.

Sent  
from  
my  
iPhone

On  
Sep  
3,  
2017,  
at  
11:35  
AM,  
Michael  
Honeycutt  
<[Michael.Honeycutt@tceq.texas.gov](mailto:Michael.Honeycutt@tceq.texas.gov)>  
wrote:

Ah.  
Missed  
that.

On  
Sep  
3,  
2017,  
at  
11:33  
AM,  
Andrea  
Morrow  
<[Andrea.Morrow@tceq.texas.gov](mailto:Andrea.Morrow@tceq.texas.gov)>  
wrote:

He  
dropped  
the  
ozone  
question,  
Mike.

**From:**  
Michael  
Honeycutt

**Sent:**  
Sunday,  
September  
3,  
2017  
11:32  
AM

**To:**

Andrea  
Morrow

**Cc:**

Richard  
Chism;  
Ryan  
Vise;  
David  
Gray  
([gray.david@epa.gov](mailto:gray.david@epa.gov));  
Susan  
Johnson;  
Tracy  
Miller;  
Lori  
Wilson;  
Emily  
Lindley

**Subject:**

Re:  
Proposed  
response  
to  
AP  
questions  
-  
please  
review

On  
the  
ozone  
blurb,  
you  
could  
add  
that  
TCEQ  
and  
EPA  
send  
ozone  
notifications  
like  
we  
always  
do  
to  
subscribers  
of  
our  
notification  
systems.  
There  
was  
nothing  
unusual  
about  
this  
notification.

On  
Sep  
3,  
2017,  
at  
11:28  
AM,  
Andrea  
Morrow  
<[Andrea.Morrow@tceq.texas.gov](mailto:Andrea.Morrow@tceq.texas.gov)>  
wrote:

Okay,  
what  
do  
you  
all  
think  
of  
this:

**Air  
Quality  
Monitoring:** Monitors  
are  
showing  
that  
air  
quality  
at  
this  
time  
is  
not  
concerning  
and  
local  
residents  
should  
not  
be  
concerned  
about  
air  
quality  
issues  
related  
to  
the  
effects  
of  
the  
storm.  
Due  
to  
quick  
action  
and  
proper

preparation  
by state authorities,  
all  
the  
ambient  
air  
quality  
monitors  
in  
the  
network  
from  
south  
of  
Corpus  
Christi  
to  
Beaumont  
were  
protected  
before  
the  
storm.  
Since  
then, state authorities  
are  
working  
to  
get  
the  
systems  
up  
and  
running  
again.  
As  
of  
Saturday,  
September  
2,  
over  
70  
percent  
of  
the  
monitors  
are  
up  
and  
working  
again;  
and  
authorities  
expect  
that  
the  
network  
will  
be  
fully

operational  
again  
by  
next  
week.

Emergency  
response  
monitoring  
at  
the  
Arkema  
facility  
evacuation  
perimeter  
is  
being  
conducted.  
We  
will  
make  
those  
data  
available  
as  
we  
are  
able.  
So  
far,  
nothing  
of  
immediate  
health  
concern  
has  
been  
detected.

The  
same  
rules  
apply  
for  
start-  
up,  
shut-  
down  
activities  
however  
delays  
may  
occur  
based  
upon  
factors  
related  
to  
the  
emergency

in  
some  
situations  
(i.e.  
power  
outages,  
computer  
system  
failure,  
etc.).

---

**From:**  
Michael  
Honeycutt

**Sent:**  
Sunday,  
September  
3,  
2017  
11:23  
AM

**To:**  
Richard  
Chism;  
Andrea  
Morrow

**Cc:**  
Ryan  
Vise;  
David  
Gray  
([gray.david@epa.gov](mailto:gray.david@epa.gov));  
Susan  
Johnson;  
Tracy  
Miller

**Subject:**  
Re:  
Proposed  
response  
to  
AP  
questions  
-  
please  
review

You  
could  
add  
that  
we  
are  
doing  
emergency  
response  
monitoring

at  
the  
Arkema  
facility  
evacuation  
perimeter  
and  
will  
make  
that  
data  
available  
as  
we  
have  
time.  
So  
far,  
nothing  
of  
immediate  
health  
concern  
has  
been  
detected.

**From:**

Richard  
Chism

**Sent:**

Sunday,  
September  
3,  
2017  
11:19:57  
AM

**To:**

Andrea  
Morrow

**Cc:**

Ryan  
Vise;  
David  
Gray  
([gray.david@epa.gov](mailto:gray.david@epa.gov));  
Michael  
Honeycutt;  
Susan  
Johnson;  
Tracy  
Miller

**Subject:**

Re:  
Proposed  
response  
to  
AP  
questions

-

please  
review

This  
is  
directly  
from  
the  
draft  
joint  
response  
this  
morning.  
You  
can  
use  
it.

**Air  
Quality  
Monitoring:** Monitors

are  
showing  
that  
air  
quality  
at  
this  
time  
is  
not  
concerning  
and  
local  
residents  
should  
not  
be  
concerned  
about  
air  
quality  
issues  
related  
to  
the  
effects  
of  
the  
storm.  
Due  
to  
quick  
action  
and  
proper  
preparation  
by state authorities,  
all  
the



ambient  
air  
quality  
monitors  
in  
the  
network  
from  
south  
of  
Corpus  
Christi  
to  
Beaumont  
were  
protected  
before  
the  
storm.  
Since  
then, state authorities  
are  
working  
to  
get  
the  
systems  
up  
and  
running  
again.  
As  
of  
Saturday,  
September  
2,  
over  
70  
percent  
of  
the  
monitors  
are  
up  
and  
working  
again;  
and  
authorities  
expect  
that  
the  
network  
will  
be  
fully  
operational  
again  
by  
next

week.

Sent  
from  
my  
iPhone

On  
Sep  
3,  
2017,  
at  
11:14  
AM,  
Andrea  
Morrow  
<[Andrea.Morrow@tceq.texas.gov](mailto:Andrea.Morrow@tceq.texas.gov)>  
wrote:

Which  
is  
correct,  
65%  
or  
this:

- Air  
Quality  
Monitoring:  
One  
of  
the  
many  
preparations  
for  
Hurricane  
Harvey  
included  
EPA,  
TCEQ,  
and  
other  
monitoring  
entities  
temporarily  
removing  
approximately  
75  
percent  
of  
the  
stationary  
air  
monitoring  
equipment  
from  
the  
greater  
Houston,  
Corpus

Christi,  
and  
Beaumont  
areas.  
Since  
then,  
state  
and  
local  
authorities  
are  
working  
to  
get  
the  
systems  
up  
and  
running  
again.  
As  
of  
Saturday,  
September  
2,  
over  
70  
percent  
of  
the  
monitors  
are  
up  
and  
working  
again;  
and  
authorities  
expect  
that  
the  
network  
will  
be  
fully  
operational  
again  
by  
next  
week.  
Of  
the  
available  
air  
monitoring  
data  
collected  
from  
August  
24-

September  
2,  
2017,  
all  
measured  
concentrations  
were  
well  
below  
levels  
of  
health  
concern.  
Monitors  
are  
showing  
that  
air  
quality  
at  
this  
time  
is  
not  
concerning  
and  
local  
residents  
should  
not  
be  
concerned  
about  
air  
quality  
issues  
related  
to  
the  
effects  
of  
the  
storm.

---

**From:**  
Ryan  
Vise

**Sent:**  
Sunday,  
September  
3,  
2017  
11:07  
AM

**To:**  
Andrea  
Morrow

**Cc:**

David  
Gray  
([gray.david@epa.gov](mailto:gray.david@epa.gov));  
Richard  
Chism;  
Michael  
Honeycutt;  
Susan  
Johnson;  
Tracy  
Miller

**Subject:**

Re:  
Proposed  
response  
to  
AP  
questions  
-  
please  
review

I'm  
good  
with  
these  
answers.

Sent  
from  
my  
iPhone

On  
Sep  
3,  
2017,  
at  
11:06  
AM,  
Andrea  
Morrow  
<[Andrea.Morrow@tceq.texas.gov](mailto:Andrea.Morrow@tceq.texas.gov)>  
wrote:

FYI,  
Cory.  
He  
has  
deleted  
the  
third  
question  
because  
he  
understands  
the  
nature  
of  
the  
AirNow  
report.

I

don't  
have  
sufficient  
information  
to  
answer  
these  
questions.  
I  
suggest  
we  
say,  
the  
TCEQ  
has  
reactivated  
65  
percent  
of  
our  
monitoring  
network  
in  
the  
hurricane-  
affected  
areas.  
(Insert  
EPA  
monitoring  
data  
here  
or  
explain  
why  
it  
is  
not  
available)

The  
same  
rules  
apply  
for  
start-  
up,  
shut-  
down  
activities  
however  
delays  
may  
occur  
based  
upon  
factors  
related  
to  
the  
emergency  
in  
some  
situations  
(i.e.  
power  
outages,  
computer  
system  
failure,  
etc.).

Hourly  
data  
from  
the  
operating

ozone  
monitors  
in  
TCEQ's  
network  
are  
used  
by  
the  
EPA  
to  
predict  
air  
quality.  
What  
you  
are  
looking  
at  
is  
a  
**forecast**  
based  
on  
one-  
hour  
(snapshot)  
readings.  
The  
201  
ppb  
you  
referenced  
is  
not  
an  
actual  
monitored  
reading,  
it  
is  
a  
projection.  
TCEQ  
is  
aware  
of  
elevated  
ozone  
levels  
west  
of  
Houston  
which  
is  
not  
unusual  
for  
this  
time  
of  
year.

1)

You  
are  
doing  
air  
monitoring  
at  
the  
Arkema  
plant  
in

Crosby.  
Can  
you  
tell  
me  
what  
your  
monitoring  
has  
found?  
What  
chemicals  
in  
what  
concentrations?  
Where  
are  
you  
doing  
the  
monitoring  
exactly?

2)  
Are  
EPA/TCEQ  
monitoring  
air  
quality  
around  
petrochemical  
plants  
and  
refineries  
looking  
for  
potential  
problems?  
Have  
they  
deployed  
any  
mobile  
air  
monitors?  
(I  
gather  
these  
are  
EPA  
crews  
working  
in  
coordination  
with  
TCEQ?)  
If  
so,  
what  
have  
they  
found  
in  
the  
last  
few  
days  
near  
the  
petrochemical  
plants  
around  
the  
ship



channel?  
If  
they  
haven't  
been  
monitoring,  
why  
not?  
The  
startup  
and  
shutdown  
operations  
typically  
produce  
heavier  
emissions  
of  
airborne  
contaminants,  
right?

3)  
I  
saw  
an  
ozone  
level  
of  
201  
ppb  
recorded  
in  
Houston  
on  
Friday  
on  
[airnow.gov](http://airnow.gov)  
and  
Andrea  
Morrow  
of  
TCEQ  
told  
my  
colleague  
Jason  
Dearen  
that  
the  
reading  
was  
recorded  
as  
a  
single  
hourly  
max  
at  
one  
monitoring  
station.  
Your  
ozone  
level  
for  
the  
day  
(95  
ppb)  
is  
based  
on  
an

eight-  
hour  
of  
average,  
she  
said.  
But  
that  
does  
not  
deny  
that  
a  
single  
station  
had  
that  
maximum  
level,  
correct?  
What  
station  
was  
it?  
Can  
you  
tell  
me  
what  
hour  
of  
the  
day?  
Did  
any  
other  
stations  
Very  
Unhealthy  
ozone  
levels  
on  
Friday  
or  
Saturday?

Hourly  
data  
from  
the  
operating  
ozone  
monitors  
in  
TCEQ's  
network  
are  
used  
by  
the  
EPA  
to  
predict  
air  
quality.  
What  
you  
are  
looking  
at  
is  
a  
**forecast**  
based

on  
one-  
hour  
(snapshot)  
readings.  
The  
201  
ppb  
you  
referenced  
is  
not  
an  
actual  
monitored  
reading,  
it  
is  
a  
projection.  
TCEQ  
is  
aware  
of  
elevated  
ozone  
levels  
west  
of  
Houston  
which  
is  
not  
unusual  
for  
this  
time  
of  
year.

4)  
What  
are  
the  
state  
of  
Texas  
and  
the  
EPA  
doing  
to  
monitor  
public  
health  
near  
the  
petrochemical  
plants  
and  
refineries  
given  
the  
extraordinary  
shutdown  
and  
startup  
pollution  
and  
the  
possibility  
of  
contaminants  
released

into  
their  
neighborhoods?  
Will  
there  
be  
health  
monitoring?  
If  
so,  
by  
whom?  
If  
not,  
why  
not?